

ABSTRACT

A stator (10) for a motor according to this invention has a substantially cylindrical shape and is disposed coaxially with respect to a substantially cylindrical rotor (20) which has permanent magnets. The stator (10) has a stator core (1) containing teeth (3) projecting towards the rotor (20). Each tooth has a tooth body (1b) on which a coil (2) is wound and a tooth tip (1c) having a substantially arc-shaped surface. The tooth tip (1c) faces the rotor (20) through the substantially arc-shaped surface and does not have the coil (2) wound thereon. The stator core has two types of steel plates (11e, 11d) laminated in an axial direction. The centers (16, 16') of the tooth tips of the two types of steel plates (11e, 11d) in a peripheral direction are offset in a peripheral direction from the center (15) of the tooth body in a peripheral direction. The two types of steel plates (11e, 11d) have the tooth body (1b) of the same shape.